



Design and Technology Long Term Plan

Revised Sep 2024



Intent:

- **To ensure high quality Design and Technology education throughout the school which provides for our children an understanding of how ideas can inform the design of products.**
- **For our children to be able to apply a repertoire of learned technical knowledge, understanding and skills (drawing on disciplines such as mathematics, science, engineering, computing, art, textiles and cooking) in order to design, make and evaluate a wide variety of prototypes.**
- **Opportunities for our children to evaluate their made prototypes and using what they have learned, create an improved design and a better end product.**



Year Group	Autumn Term	Spring Term	Summer Term
EYFS	<p>Continuous Provision & Enhanced Provision</p> <p>Scaffolded learning Planning, designing, making and developing DT skills and knowledge.</p> <p>Junk Modelling:</p> <p>Outcome: Pupils will be encouraged to use a combination of materials and joining techniques (temporary and permanent).</p> <p>Key Areas for Knowledge and Skills Development: Structures</p> <p>Reception: Expressive Arts and Design •Explore different materials freely, in order to develop their ideas about how to use them and what to make. •Develop their own ideas and then decide which materials to use to express them. •Join different materials and explore different textures.</p> <p>ELG Creating with Materials Children at the expected level of development will: -Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; -Share their creations, explaining the process they have used; -Make use of props and materials when role playing characters in narratives and stories.</p>		
Nursery	<p>Textiles</p> <p>To Create a Hanging Decoration</p> <p>Linked to UTW: Celebrations</p>	<p>Food and Nutrition</p> <p>To create a fruit skewer</p> <p>Linked to Fine Motor Skills and Literacy – The Very Hungry Caterpillar</p>	<p>Structures</p> <p>To design and build a den</p> <p>Linked to Gross Motor Skills and Literacy – We're Going on a Bear Hunt</p>
Reception	<p>Food and Nutrition</p> <p>To prepare and create Pumpkin Soup</p> <p>Linked to UTW: Seasons, PSED : healthy eating</p>	<p>Structures</p> <p>Junk Modelling</p> <p>Linked to Physical Development, fine and gross motor skills, Expressive Arts and Design, linking objects together.</p>	<p>Textiles</p> <p>To design and sew a bookmark</p> <p>Linked to UTW – Science, Earth and Space</p>
1	<p>Mechanical Systems</p> <p>Sliders and Levers</p> <p>Design, Create and Evaluate a nursery rhyme book.</p>	<p>Food and Nutrition</p> <p>To prepare, create and evaluate a fruit smoothie</p>	<p>Structures</p> <p>Design, Create and Evaluate a windmill.</p>
Cross Curricular/skills	<p>Linked to History: Toys</p>		



2	<p>Textiles Templates and Joining</p> <p>Design, Create and Evaluate a pouch using a running stitch</p>	<p>Mechanical Systems</p> <p>Design, Create and Evaluate a moving Easter Bunny.</p>	<p>Food and Nutrition</p> <p>Design, Create and Evaluate a healthy wrap</p>
Cross Curricular/skills			<p>linking History: local area example: regional foods</p>
3	<p>Structures</p> <p>To design, create and evaluate the stability of a Christmas Eve House box (variation of castles)</p>	<p>Food and Nutrition</p> <p>To design, prepare and evaluate a seasonal tart</p>	<p>Textiles</p> <p>To design and create a cushion with cross stitch and applique techniques.</p>
Cross Curricular/skills	<p>Maths link 3D Shapes</p>		
4	<p>Textiles</p> <p>Design, Create and Evaluate a book cover with fastenings</p> <p>Or</p> <p>Mechanical Systems Make a slingshot car</p>	<p>Structures</p> <p>Design, Create and Evaluate a pavilion</p>	<p>Food and Nutrition</p> <p>To adapt an existing recipe</p>
Cross Curricular/skills	<p>link to History</p>	<p>link to History</p>	<p>Spanish Food</p>
5	<p>Structures</p> <p>Design, Create and Evaluate a Bridge</p>	<p>Textiles</p> <p>To design, create and evaluate a stuffed toy</p>	<p>Food and Nutrition</p> <p>To create a healthier alternative to a traditional recipe</p>



Cross Curricular/skills	<p style="text-align: center;">Link to History Greek Truss Bridge</p>		<p style="text-align: center;">linked to Geography: Where our food comes from</p>
<p style="text-align: center;">6</p>	<p style="text-align: center;">Textiles</p> <p style="text-align: center;">Design, Create and Evaluate a Christmas Stocking. Adaptation of waistcoat plans</p>	<p style="text-align: center;">Food and Nutrition To create a class recipe book</p>	<p style="text-align: center;">Structures To create. Create and evaluate a new playground</p>
Cross Curricular/skills		<p style="text-align: center;">History: WW2Bread/rationing Geography: Out of Africa</p>	